

Day :  
Monday  
Date:  
8/23/2004

Time:  
16:06:46



PALM INTRANET

## Inventor Information for 10/009559

Inventor Name	City	State/Country
SKOGVALL, STAFFAN	LUND	SWEDEN

Appln Info	Contents	Petition Info	Atty/Agent Info	Continuity Data	Foreign
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Search Another: Application#

or Patent#

PCT /  /

or PG PUBS #

Attorney Docket #

Bar Code #

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10/009,559

Thomas McKenzie

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NEWS	5	May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus
NEWS	6	May 27	CAplus super roles and document types searchable in REGISTRY
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NEWS	12	AUG 02	CAplus and CA patent records enhanced with European and Japan Patent Office Classifications
NEWS	13	AUG 02	STN User Update to be held August 22 in conjunction with the 228th ACS National Meeting
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FILE 'HOME' ENTERED AT 17:41:56 ON 23 AUG 2004

=> s 155106-73-3 160845-95-4 127595-43-1 134296-40-5 608-07-1 90182-92-6  
112885-41-3109872-41-5 141196-99-8

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STRUCTURE FILE UPDATES: 22 AUG 2004 HIGHEST RN 730937-52-7

DICTIONARY FILE UPDATES: 22 AUG 2004 HIGHEST RN 730937-52-7

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<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s 155106-73-3 160845-95-4 127595-43-1 134296-40-5 608-07-1 90182-92-6  
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=> file caplus

FILE 'CAPLUS' ENTERED AT 17:45:36 ON 23 AUG 2004

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FILE COVERS 1907 - 23 Aug 2004 VOL 141 ISS 9

FILE LAST UPDATED: 22 Aug 2004 (20040822/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l2 and asthma

1629 L2

24813 ASTHMA

L3 4 L2 AND ASTHMA

=> d 1-4 cbib pi hitstr abs

L3 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

2004:309877 Document No. 140:333034 Substitution variant of the 5-HT4 receptor insensitive to serotonin and the gene for it and the treatment of neurodegenerative disease. Bockaert, Joel; Claeysen, Sylvie; Dumuis Kervabon, Aline; Sebben Homburger, Michele; Joubert, Lara (Centre National de la Recherche Scientifique CNRS, Fr.). Fr. Demande FR 2845604 A1 20040416, 48 pp. (French). CODEN: FRXXBL. APPLICATION: FR 2002-12614 20021010.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	FR 2845604	A1	20040416	FR 2002-12614	20021010
	WO 2004033498	A2	20040422	WO 2003-FR3002	20031010
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

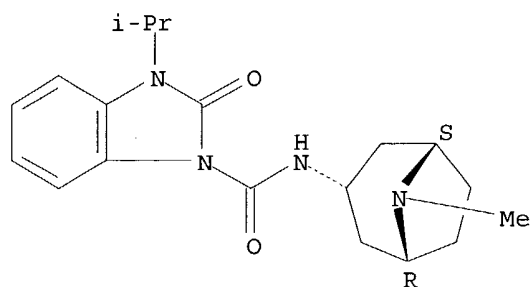
IT 134296-40-5, BIMU 8

RL: BSU (Biological study, unclassified); BIOL (Biological study) (5-HT4 receptor variants agonized by; substitution variant of 5-HT4 receptor insensitive to serotonin and gene for it and treatment of neurodegenerative disease)

RN 134296-40-5 CAPLUS

CN 1H-Benzimidazole-1-carboxamide, 2,3-dihydro-N-[(3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl]-3-(1-methylethyl)-2-oxo-, monohydrochloride (9CI) (CA INDEX NAME)

Relative stereochemistry.



● HCl

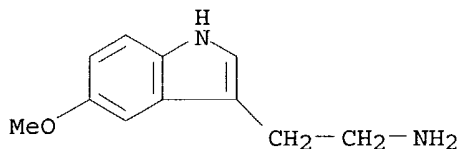
AB A substitution variant of the 5-HT<sub>4</sub> serotonin receptor that is insensitive to serotonin but that can be activated by synthetic serotonin agonists is described. The gene for the receptor variant may be useful in the treatment of neurodegenerative disease associated with low levels of cAMP. The substitution in 100-aspartic acid → alanine affecting the structure of transmembrane domain III. Pharmacol. of the variant is described.

L3 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

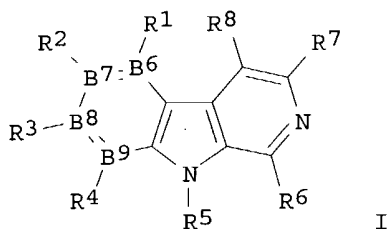
2001:691768 Document No. 135:242149 Preparation of substituted  $\beta$ -carbolines as I $\kappa$ B kinase inhibitors. Ritzeler, Olaf; Castro, Alfredo; Grenier, Louis; Soucy, Francois (Aventis Pharma Deutschland G.m.b.H., Germany). Eur. Pat. Appl. EP 1134221 A1 20010919, 47 pp. DESIGNATED STATES: R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO. (English). CODEN: EPXXDW. APPLICATION: EP 2000-105514 20000315.

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JP 2003527394	T2	20030916	JP 2001-567739	20010228
EE 200200523	A	20040415	EE 2002-523	20010228
NZ 521386	A	20040625	NZ 2001-521386	20010228
US 2002099068	A1	20020725	US 2001-812785	20010315
US 6627637	B2	20030930		
NO 2002004338	A	20021105	NO 2002-4338	20020911
ZA 2002007324	A	20030707	ZA 2002-7324	20020912
US 2004110759	A1	20040610	US 2003-627978	20030728

IT 608-07-1, 5-Methoxytryptamine  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of substituted  $\beta$ -carbolines as I $\kappa$ B kinase inhibitors)  
 RN 608-07-1 CAPLUS  
 CN 1H-Indole-3-ethanamine, 5-methoxy- (9CI) (CA INDEX NAME)



GI



AB The title compds. [I; B6-B9 = C, N (no more than 2 N atoms at the same time); R1-R4, R8 = H, halo, OH, etc.; R5 = H, (un)substituted alkyl, etc.; R6, R7 = H, halo, OH, etc.], useful for prophylaxis and therapy of disorders in which increased activity of NF $\kappa$ B is involved such as **asthma**, osteoarthritis, rheumatoid arthritis, Alzheimer's disease, carcinomatous disorders and cardiac infarct, were prepared Thus, treating norharmane with Br<sub>2</sub> in THF afforded 7-bromo- $\beta$ -carboline which showed IC<sub>50</sub> of 0.4  $\mu$ M against I $\kappa$ B kinase.

L3 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

2000:772451 Document No. 133:329581 Serotonergic agonists and antagonists for treatment of bronchoconstriction. Skogvall, Staffan (Respiratorius AB, Swed.). PCT Int. Appl. WO 2000064441 A2 20001102, 28 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 2000-SE819 20000428. PRIORITY: SE 1999-1531 19990428; US 1999-PV131355 19990428; SE 1999-1906 19990526; US 1999-PV136604 19990527; SE 1999-2251 19990615; SE 1999-2252 19990615; US 1999-PV139632 19990617; US 1999-PV139633 19990617.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000064441	A2	20001102	WO 2000-SE819	20000428
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EP 1173168 A2 20020123 EP 2000-937417 20000428  
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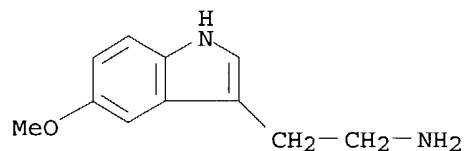
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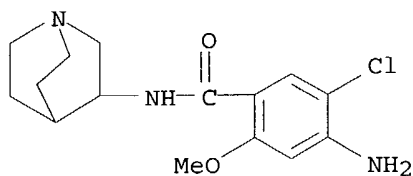
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 141196-99-8, SC-53116 155106-73-3, VB 20B7  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
 study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES  
 (Uses)  
 (serotoninerbic agonists and antagonists for treatment of  
 bronchoconstriction-related disorders)

RN 608-07-1 CAPLUS  
 CN 1H-Indole-3-ethanamine, 5-methoxy- (9CI) (CA INDEX NAME)



RN 90182-92-6 CAPLUS  
 CN Benzamide, 4-amino-N-1-azabicyclo[2.2.2]oct-3-yl-5-chloro-2-methoxy- (9CI)  
 (CA INDEX NAME)

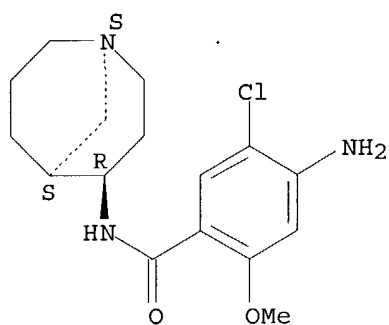




RN 109872-41-5 CAPLUS

CN Benzamide, 4-amino-N-(1R,4S,5R)-1-azabicyclo[3.3.1]non-4-yl-5-chloro-2-methoxy-, monohydrochloride, rel- (9CI) (CA INDEX NAME)

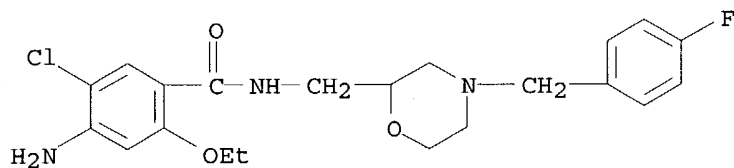
Relative stereochemistry.



● HCl

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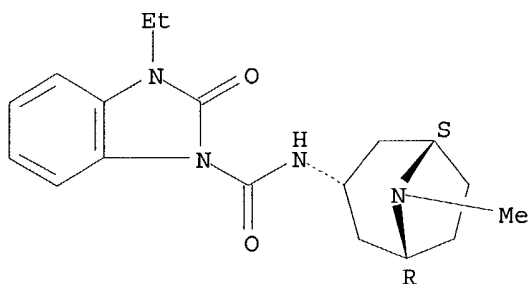
CN Benzamide, 4-amino-5-chloro-2-ethoxy-N-[[4-[(4-fluorophenyl)methyl]-2-morpholinyl]methyl]- (9CI) (CA INDEX NAME)



RN 127595-43-1 CAPLUS

CN 1H-Benzimidazole-1-carboxamide, 3-ethyl-2,3-dihydro-N-[(3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl]-2-oxo-, monohydrochloride (9CI) (CA INDEX NAME)

Relative stereochemistry.

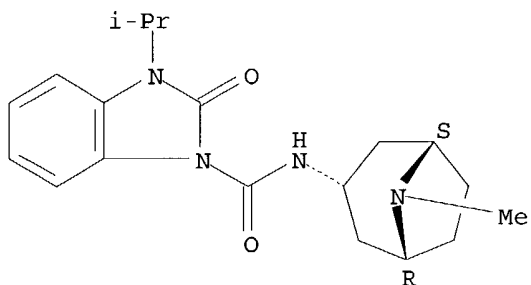


● HCl

RN 134296-40-5 CAPLUS

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Relative stereochemistry.

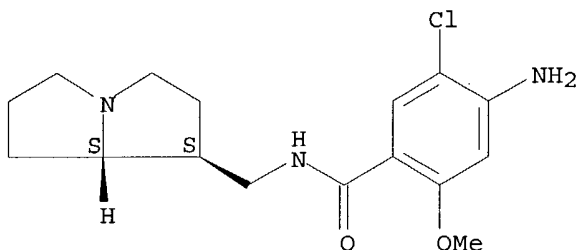


● HCl

RN 141196-99-8 CAPLUS

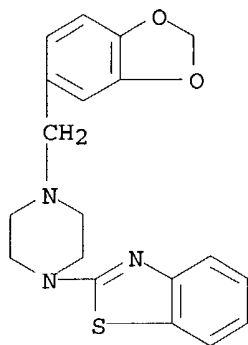
CN Benzamide, 4-amino-5-chloro-N-[[[(1S,7aS)-hexahydro-1H-pyrrolizin-1-yl]methyl]-2-methoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 155106-73-3 CAPLUS

CN Benzothiazole, 2-[4-(1,3-benzodioxol-5-ylmethyl)-1-piperazinyl]- (9CI) (CA INDEX NAME)



AB The present invention relates to a compound having agonist activity to the 5-HT<sub>4</sub> receptor or antagonist activity to the 5-HT<sub>2a</sub> receptor and manufacture of a medicament for prophylactic or therapeutic treatment of disorders involving bronchoconstriction of a human or animal, such as **asthma**, emphysema, chronic bronchitis, chronic obstructive pulmonary disease, depression, anorectic or bulimic eating disorders, anxiety or various psychotic conditions including schizophrenia. Compds. of the present invention have the capacity of reducing the pathol. bronchoconstriction by at least 30%, preferably at least 60%, and most preferably at least 90%.

L3 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

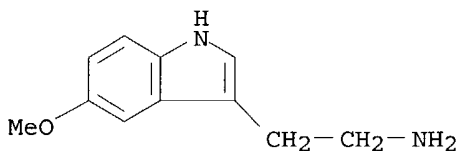
1999:710440 Document No. 132:88550 The effects of 5-HT on cholinergic contraction in human airways in vitro. Dupont, L. J.; Pype, J. L.; Demedts, M. G.; De Leyn, P.; Deneffe, G.; Verleden, G. M. (Pulmonary Pharmacology Unit, Laboratory of Pneumology and, University Hospital Gasthuisberg, Katholieke Universiteit Leuven, Belg.). European Respiratory Journal, 14(3), 642-649 (English) 1999. CODEN: ERJOEI. ISSN: 0903-1936. Publisher: Munksgaard International Publishers Ltd..

IT 608-07-1, 5-Methoxytryptamine

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(5-HT facilitation formation of cholinergic contraction in human airways in vitro and 5-HT<sub>3</sub> and 5-HT<sub>4</sub> receptor mediation thereof)

RN 608-07-1 CAPLUS

CN 1H-Indole-3-ethanamine, 5-methoxy- (9CI) (CA INDEX NAME)



AB Inhaled 5-hydroxytryptamine (5-HT) causes bronchoconstriction in asthmatics, and 5-HT plasma levels are elevated in **asthma**. Elec. field stimulation (EFS) of human airways, in vitro, evokes cholinergic contraction mediated by the release of acetylcholine (Ach) from postganglionic cholinergic nerves. The present study investigates whether selective 5-HT agonists and antagonists can modulate EFS-induced cholinergic contraction in human airways in vitro. Human airways, obtained from resections for bronchial carcinoma or organ transplant

donors, were suspended under 2-g tension, between two platinum wire electrodes, in carbogenated Krebs solution at 37° and EFS was applied (1-32 Hz, 50 V, 0.5 ms, 15 s every 4 min) to elicit cholinergic contractions. 5-HT (10  $\mu$ M-0.3 mM) produced frequency- and concentration-dependent facilitation of cholinergic contraction, but did not displace the concentration/response curve to Ach. Tropicsetron (1  $\mu$ M), a 5-HT<sub>3</sub> and 5-HT<sub>4</sub> antagonist, completely blocked the facilitatory effect of 5-HT (100  $\mu$ M), whereas both ondansetron (1  $\mu$ M) and GR 125478D (1  $\mu$ M), a selective 5-HT<sub>3</sub> and 5-HT<sub>4</sub> antagonist, resp., also attenuated the 5-HT-induced enhancement of cholinergic contraction. This facilitatory effect of 5-HT was partially mimicked by both selective 5-HT<sub>3</sub> (2-methyl-5-HT) and 5-HT<sub>4</sub> (RS 67333 and 5-methoxytryptamine) agonists. Fluoxetine (10  $\mu$ M), a 5-HT uptake inhibitor, had no effect on the 5-HT (10-100  $\mu$ M) induced potentiation of cholinergic contraction. These findings suggest that 5-HT facilitates cholinergic contraction in human airways in vitro through stimulation of both prejunctional 5-HT<sub>3</sub> and 5-HT<sub>4</sub> receptors. This may implicate a role of 5-HT in **asthma**.

=> file reg

FILE 'REGISTRY' ENTERED AT 17:49:28 ON 23 AUG 2004

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STRUCTURE FILE UPDATES: 22 AUG 2004 HIGHEST RN 730937-52-7

DICTIONARY FILE UPDATES: 22 AUG 2004 HIGHEST RN 730937-52-7

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Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

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L1 HAS NO ANSWERS

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=> d his

(FILE 'HOME' ENTERED AT 17:41:56 ON 23 AUG 2004)

FILE 'REGISTRY' ENTERED AT 17:44:17 ON 23 AUG 2004

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L2 9 S 155106-73-3 OR 160845-95-4 OR 127595-43-1 OR 134296-40-5 OR 6

FILE 'CAPLUS' ENTERED AT 17:45:36 ON 23 AUG 2004

L3 4 S L2 AND ASTHMA

FILE 'REGISTRY' ENTERED AT 17:49:28 ON 23 AUG 2004

=> d l2 1-9 hitstr pi

'HITSTR' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

'PI' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN  
SAM - Index Name, MF, and structure - no RN  
FIDE - All substance data, except sequence data  
IDE - FIDE, but only 50 names  
SQIDE - IDE, plus sequence data  
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used  
SQD - Protein sequence data, includes RN  
SQD3 - Same as SQD, but 3-letter amino acid codes are used  
SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties  
EPROP - Table of experimental properties  
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract  
APPS -- Application and Priority Information  
BIB -- CA Accession Number, plus Bibliographic Data  
CAN -- CA Accession Number  
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)  
IND -- Index Data  
IPC -- International Patent Classification  
PATS -- PI, SO  
STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels  
IBIB -- BIB, indented, with text labels  
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)  
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations  
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

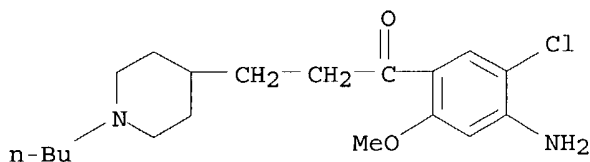
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For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.

HELP FORMATS -- To see detailed descriptions of the predefined formats.  
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L2 ANSWER 1 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 160845-95-4 REGISTRY  
 CN 1-Propanone, 1-(4-amino-5-chloro-2-methoxyphenyl)-3-(1-butyl-4-piperidiny)- (9CI) (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C19 H29 Cl N2 O2  
 CI COM  
 SR CA  
 LC STN Files: CA, CAPLUS, IMSRESEARCH, MEDLINE, TOXCENTER, USPATFULL  
 DT.CA CAplus document type: Journal; Patent  
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)  
 RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); RACT (Reactant or reagent)  
 RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); PREP (Preparation)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

#### REFERENCE 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002038142	A2	20020516	WO 2001-US43016	20011108
	WO 2002038142	A3	20030814		
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	AU 2002030423	A5	20020521	AU 2002-30423	20011108
	US 2002173511	A1	20021121	US 2001-986469	20011108
	US 2002173549	A1	20021121	US 2001-986470	20011108

#### REFERENCE 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9427965	A1	19941208	WO 1994-US5718	19940525

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RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

CA 2163747	AA	19941208	CA 1994-2163747	19940525
AU 9469548	A1	19941220	AU 1994-69548	19940525
AU 680004	B2	19970717		
BR 9406724	A	19960206	BR 1994-6724	19940525
EP 700383	A1	19960313	EP 1994-918070	19940525
EP 700383	B1	19980923		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
CN 1124485	A	19960612	CN 1994-192219	19940525
CN 1058262	B	20001108		
JP 08510743	T2	19961112	JP 1994-500836	19940525
HU 74870	A2	19970228	HU 1995-3357	19940525
IL 109776	A1	19980310	IL 1994-109776	19940525
AT 171446	E	19981015	AT 1994-918070	19940525
ES 2121210	T3	19981116	ES 1994-918070	19940525
PL 180336	B1	20010131	PL 1994-311723	19940525
RU 2170228	C2	20010710	RU 1995-122587	19940525
CZ 289752	B6	20020313	CZ 1995-2780	19940525
US 5763458	A	19980609	US 1995-456168	19950531
FI 9505660	A	19951124	FI 1995-5660	19951124
NO 9504761	A	19960126	NO 1995-4761	19951124

## REFERENCE 3

## REFERENCE 4

L2 ANSWER 2 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN

RN **155106-73-3** REGISTRY

CN Benzothiazole, 2-[4-(1,3-benzodioxol-5-ylmethyl)-1-piperazinyl]- (9CI)  
(CA INDEX NAME)

OTHER NAMES:

CN 2-[1-(4-Piperonyl)piperazinyl]benzothiazole

CN VB 20B7

FS 3D CONCORD

MF C19 H19 N3 O2 S

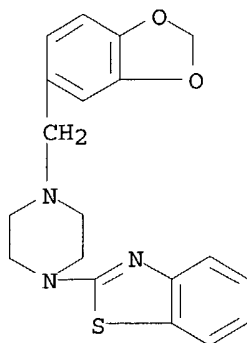
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DT.CA Caplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation); USES (Uses)



## \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

11 REFERENCES IN FILE CA (1907 TO DATE)

11 REFERENCES IN FILE CAPLUS (1907 TO DATE)

## REFERENCE 1

## REFERENCE 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002038142	A2	20020516	WO 2001-US43016	20011108
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	US 2002173511	A1	20021121	US 2001-986469	20011108
	US 2002173549	A1	20021121	US 2001-986470	20011108

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PI	WO 2002036113	A1	20020510	WO 2001-SE2372	20011030
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	AU 2002012888	A5	20020515	AU 2002-12888	20011030



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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002036114	A1	20020510	WO 2001-SE2373	20011030
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	AU 2002011176	A5	20020515	AU 2002-11176	20011030

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PI	WO 2001095902	A1	20011220	WO 2000-SE2612	20001220
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	EP 1302204	A1	20030416	EP 2001-610108	20011015
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PI	WO 2000076500	A2	20001221	WO 2000-SE1267	20000615
	WO 2000076500	A3	20010712		
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 EP 1185263 A2 20020313 EP 2000-944534 20000615  
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 JP 2003501462 T2 20030114 JP 2001-502833 20000615

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PI	WO 2000064441	A2	20001102	WO 2000-SE819	20000428
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	JP 2002542287	T2	20021210	JP 2000-613432	20000428
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	US 2002173505	A1	20021121	US 2001-984329	20011029

## REFERENCE 8

## REFERENCE 9

## REFERENCE 10

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PI	WO 9420494	A1	19940915	WO 1994-ES21	19940303
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 ES 2062940 A1 19941216 ES 1993-493 19930311  
 ES 2062940 B1 19950616  
 AU 9462085 A1 19940926 AU 1994-62085 19940303  
 ZA 9401673 A 19941012 ZA 1994-1673 19940410

L2 ANSWER 3 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN

RN 141196-99-8 REGISTRY

CN Benzamide, 4-amino-5-chloro-N-[(1S,7aS)-hexahydro-1H-pyrrolizin-1-yl)methyl]-2-methoxy- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzamide, 4-amino-5-chloro-N-[(hexahydro-1H-pyrrolizin-1-yl)methyl]-2-methoxy-, (1S-cis)-

OTHER NAMES:

CN SC 53116

FS STEREOSEARCH

MF C16 H22 Cl N3 O2

SR CA

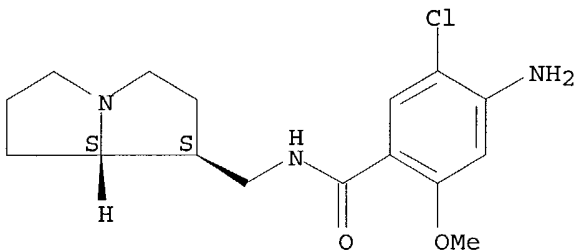
LC STN Files: ADISINSIGHT, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAPLUS, EMBASE, MEDLINE, PHAR, PROUSDDR, TOXCENTER, USPATFULL  
 (\*File contains numerically searchable property data)

DT.CA Caplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); USES (Uses)

RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

19 REFERENCES IN FILE CA (1907 TO DATE)

19 REFERENCES IN FILE CAPLUS (1907 TO DATE)

#### REFERENCE 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004092511	A1	20040513	US 2003-702688	20031106

#### REFERENCE 2

#### REFERENCE 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 2002038142 A2 20020516 WO 2001-US43016 20011108  
 WO 2002038142 A3 20030814  
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 LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,  
 SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,  
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 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
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 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
 AU 2002030423 A5 20020521 AU 2002-30423 20011108  
 US 2002173511 A1 20021121 US 2001-986469 20011108  
 US 2002173549 A1 20021121 US 2001-986470 20011108

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PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002036113	A1	20020510	WO 2001-SE2372	20011030
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AU 2002012888	A5	20020515	AU 2002-12888	20011030

## REFERENCE 5

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002036114	A1	20020510	WO 2001-SE2373	20011030
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AU 2002011176	A5	20020515	AU 2002-11176	20011030

## REFERENCE 6

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001095903	A1	20011220	WO 2000-SE2613	20001220
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BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
 EP 1302204 A1 20030416 EP 2001-610108 20011015  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

## REFERENCE 7

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001095902	A1	20011220	WO 2000-SE2612	20001220
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## REFERENCE 8

## REFERENCE 9

## REFERENCE 10

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PI	WO 2000076500	A2	20001221	WO 2000-SE1267	20000615
	WO 2000076500	A3	20010712		
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	WO 2000064441	A2	20001102	WO 2000-SE819	20000428
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	AU 2000058619	A5	20010102	AU 2000-58619	20000615
	EP 1185263	A2	20020313	EP 2000-944534	20000615
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	JP 2003501462	T2	20030114	JP 2001-502833	20000615

L2 ANSWER 4 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN

RN 134296-40-5 REGISTRY

CN 1H-Benzimidazole-1-carboxamide, 2,3-dihydro-N-[(3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl]-3-(1-methylethyl)-2-oxo-, monohydrochloride (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Benzimidazole-1-carboxamide, 2,3-dihydro-N-(8-methyl-8-azabicyclo[3.2.1]oct-3-yl)-3-(1-methylethyl)-2-oxo-, monohydrochloride, endo-

OTHER NAMES:

CN BIMU 8

FS STEREOSEARCH

MF C19 H26 N4 O2 . Cl H

SR CA

LC STN Files: ADISNEWS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, EMBASE, MEDLINE, PROMT, PROUSDDR, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL

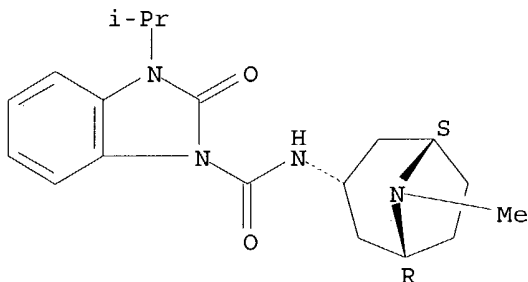
DT.CA Caplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)

CRN (433227-46-4)

Relative stereochemistry.



● HCl

51 REFERENCES IN FILE CA (1907 TO DATE)

51 REFERENCES IN FILE CAPLUS (1907 TO DATE)

#### REFERENCE 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004062624	A2	20040729	WO 2004-US200400080920040113	
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US 2004147510	A1	20040729	US 2004-757981	20040113

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PI	WO 2004062623	A2	20040729	WO 2004-US200400080720040113	
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	US 2004147509	A1	20040729	US 2004-757364	20040113

## REFERENCE 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004092511	A1	20040513	US 2003-702688	20031106

## REFERENCE 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2845604	A1	20040416	FR 2002-12614	20021010
	WO 2004033498	A2	20040422	WO 2003-FR3002	20031010
	WO 2004033498	A3	20040722		
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## REFERENCE 5

## REFERENCE 6

## REFERENCE 7

## REFERENCE 8

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002038142	A2	20020516	WO 2001-US43016	20011108
	WO 2002038142	A3	20030814		
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BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
AU 2002030423 A5 20020521 AU 2002-30423 20011108  
US 2002173511 A1 20021121 US 2001-986469 20011108  
US 2002173549 A1 20021121 US 2001-986470 20011108

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PI	WO 2002036113	A1	20020510	WO 2001-SE2372	20011030
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	AU 2002012888	A5	20020515	AU 2002-12888	20011030

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PI	WO 2001095902	A1	20011220	WO 2000-SE2612	20001220
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	EP 1302204	A1	20030416	EP 2001-610108	20011015
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L2 ANSWER 5 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN

RN 127595-43-1 REGISTRY

CN 1H-Benzimidazole-1-carboxamide, 3-ethyl-2,3-dihydro-N-[(3-endo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl]-2-oxo-, monohydrochloride (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Benzimidazole-1-carboxamide, 3-ethyl-2,3-dihydro-N-(8-methyl-8-azabicyclo[3.2.1]oct-3-yl)-2-oxo-, monohydrochloride, endo-

OTHER NAMES:

CN BIMU 1

FS STEREOSEARCH

MF C18 H24 N4 O2 . Cl H

SR CA

LC STN Files: ADISNEWS, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, EMBASE, IMSDRUGNEWS, IMSRESEARCH, MEDLINE, PHAR, PROMT, PROUSDDR, SYNTHLINE, TOXCENTER, USPATFULL

(\*File contains numerically searchable property data)

DT.CA Caplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES

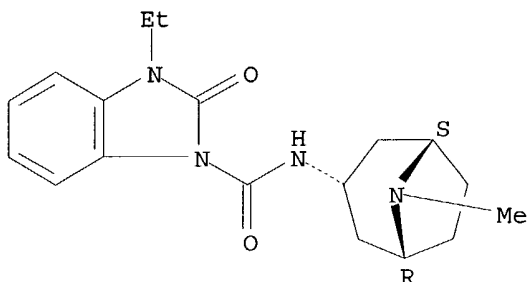


(Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)

CRN (127595-41-9)

Relative stereochemistry.



● HCl

42 REFERENCES IN FILE CA (1907 TO DATE)

42 REFERENCES IN FILE CAPLUS (1907 TO DATE)

## REFERENCE 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004092511	A1	20040513	US 2003-702688	20031106

## REFERENCE 2

## REFERENCE 3

## REFERENCE 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002036113	A1	20020510	WO 2001-SE2372	20011030
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	AU 2002012888	A5	20020515	AU 2002-12888	20011030

## REFERENCE 5

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PI	WO 2002036114	A1	20020510	WO 2001-SE2373	20011030
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	AU 2002011176	A5	20020515	AU 2002-11176	20011030

## REFERENCE 6

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PI	WO 2001095903	A1	20011220	WO 2000-SE2613	20001220
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	EP 1302204	A1	20030416	EP 2001-610108	20011015
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			

## REFERENCE 7

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001095902	A1	20011220	WO 2000-SE2612	20001220
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	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	EP 1302204	A1	20030416	EP 2001-610108	20011015
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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001045685	A2	20010628	WO 2000-GB4902	20001219
	WO 2001045685	A3	20020228		
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EP 1239882 A2 20020918 EP 2000-985643 20001219  
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JP 2003518043 T2 20030603 JP 2001-546424 20001219  
US 2003018008 A1 20030123 US 2002-168190 20020618

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PI	WO 2000076500	A2	20001221	WO 2000-SE1267	20000615
	WO 2000076500	A3	20010712		
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	WO 2000064441	A3	20010614		
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	AU 2000058619	A5	20010102	AU 2000-58619	20000615
	EP 1185263	A2	20020313	EP 2000-944534	20000615
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	JP 2003501462	T2	20030114	JP 2001-502833	20000615

L2 ANSWER 6 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN

RN 112885-41-3 REGISTRY

CN Benzamide, 4-amino-5-chloro-2-ethoxy-N-[[4-[(4-fluorophenyl)methyl]-2-morpholinyl]methyl]- (9CI) (CA INDEX NAME)

## OTHER NAMES:

CN Mosapride

FS 3D CONCORD

DR 144256-27-9

MF C21 H25 Cl F N3 O3

CI COM

SR CA

LC STN Files: ADISINSIGHT, ADISNEWS, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA, CAPLUS, CASREACT, CBNB, CHEMINFORMRX, CIN, DDFU, DRUGU, IMSDRUGNEWS, IMPATENTS, IMSRESEARCH, IPA, MRCK\*, PHAR, PROMT, PROUSDDR, RTECS\*, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

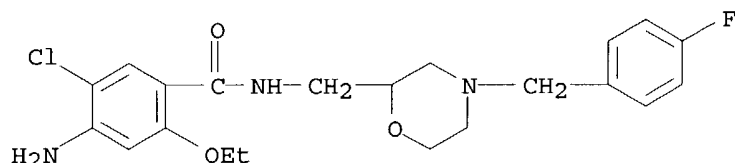
Other Sources: WHO

DT.CA CAplus document type: Book; Conference; Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

62 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

62 REFERENCES IN FILE CAPLUS (1907 TO DATE)

#### REFERENCE 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004092511	A1	20040513	US 2003-702688	20031106

#### REFERENCE 2

#### REFERENCE 3

#### REFERENCE 4

#### REFERENCE 5

#### REFERENCE 6

#### REFERENCE 7

#### REFERENCE 8

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003106440	A2	20031224	WO 2003-HU42	20030612
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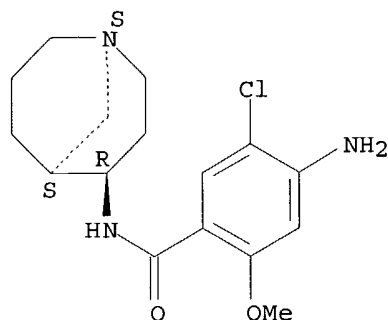
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LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,  
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,  
UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD,  
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NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG

REFERENCE 9

REFERENCE 10

L2 ANSWER 7 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 109872-41-5 REGISTRY  
CN Benzamide, 4-amino-N-(1R,4S,5R)-1-azabicyclo[3.3.1]non-4-yl-5-chloro-2-methoxy-, monohydrochloride, rel- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 1-Azabicyclo[3.3.1]nonane, benzamide deriv.  
CN Benzamide, 4-amino-N-1-azabicyclo[3.3.1]non-4-yl-5-chloro-2-methoxy-, monohydrochloride, endo-(±)-  
OTHER NAMES:  
CN Benzamide, 4-amino-N-1-azabicyclo[3.3.1]non-4-yl-5-chloro-2-methoxy-, monohydrochloride, endo-  
CN BRL 24924  
FS STEREOSEARCH  
MF C16 H22 Cl N3 O2 . Cl H  
CI COM  
SR CA  
LC STN Files: ADISINSIGHT, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, EMBASE, IPA, MEDLINE, PHAR, PROMT, TOXCENTER, USPATFULL  
DT.CA Caplus document type: Conference; Journal; Patent  
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)  
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PRP (Properties)  
CRN (112727-80-7)

Relative stereochemistry.



● HCl

43 REFERENCES IN FILE CA (1907 TO DATE)

43 REFERENCES IN FILE CAPLUS (1907 TO DATE)

#### REFERENCE 1

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PI	WO 2002036113	A1	20020510	WO 2001-SE2372	20011030
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	AU 2002012888	A5	20020515	AU 2002-12888	20011030

#### REFERENCE 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002036114	A1	20020510	WO 2001-SE2373	20011030
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	AU 2002011176	A5	20020515	AU 2002-11176	20011030

#### REFERENCE 3

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PI WO 2001095903 A1 20011220 WO 2000-SE2613 20001220  
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 EP 1302204 A1 20030416 EP 2001-610108 20011015  
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## REFERENCE 4

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001095902	A1	20011220	WO 2000-SE2612	20001220
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EP 1302204	A1	20030416	EP 2001-610108	20011015
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## REFERENCE 5

## REFERENCE 6

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PI WO 2000076500	A2	20001221	WO 2000-SE1267	20000615
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WO 2000064441	A2	20001102	WO 2000-SE819	20000428
WO 2000064441	A3	20010614		
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AU 2000058619	A5	20010102	AU 2000-58619	20000615

EP 1185263 A2 20020313 EP 2000-944534 20000615  
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JP 2003501462 T2 20030114 JP 2001-502833 20000615

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EP 1173168	A2	20020123	EP 2000-937417	20000428
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WO 2000076500	A3	20010712		
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EP 1185263	A2	20020313	EP 2000-944534	20000615
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US 2002173505	A1	20021121	US 2001-984329	20011029

## REFERENCE 8

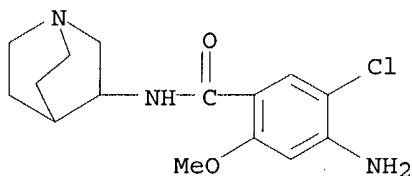
## REFERENCE 9

## REFERENCE 10

L2 ANSWER 8 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 90182-92-6 REGISTRY  
CN Benzamide, 4-amino-N-1-azabicyclo[2.2.2]oct-3-yl-5-chloro-2-methoxy- (9CI)  
(CA INDEX NAME)  
OTHER NAMES:  
CN (±)-Zacopride  
CN (RS)-Zacopride



CN Racemic zacopride  
 CN Zacopride  
 FS 3D CONCORD  
 DR 131104-11-5  
 MF C15 H20 Cl N3 O2  
 CI COM  
 LC STN Files: ADISINSIGHT, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CEN, DDFU, DRUGU, EMBASE, IMSDRUGNEWS, IMSRESEARCH, IPA, MEDLINE, PHAR, PROMT, PROUSDDR, TOXCENTER, USAN, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: WHO  
 DT.CA Caplus document type: Conference; Journal; Patent; Report  
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)  
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 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)  
 RLD.NP Roles for non-specific derivatives from non-patents: PROC (Process)



**\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\***

178 REFERENCES IN FILE CA (1907 TO DATE)  
 6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 179 REFERENCES IN FILE CAPLUS (1907 TO DATE)

**REFERENCE 1**

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PI	WO 2004062624	A2	20040729	WO 2004-US200400080920040113	
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**REFERENCE 2**

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004062623	A2	20040729	WO 2004-US200400080720040113	

10/009,559

Thomas McKenzie

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US 2004147509 A1 20040729 US 2004-757364 20040113

REFERENCE 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004092511	A1	20040513	US 2003-702688	20031106

REFERENCE 4

REFERENCE 5

REFERENCE 6

REFERENCE 7

REFERENCE 8

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002161016	A1	20021031	US 2001-996407	20011121
	US 6495154	B1	20021217	US 2000-721412	20001121

REFERENCE 9

REFERENCE 10

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002041883	A2	20020530	WO 2001-US44065	20011121
	WO 2002041883	A3	20031218		
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	AU 2002028643	A5	20020603	AU 2002-28643	20011121
	EP 1389115	A2	20040218	EP 2001-989759	20011121
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				

L2 ANSWER 9 OF 9 REGISTRY COPYRIGHT 2004 ACS on STN  
 RN 608-07-1 REGISTRY

CN 1H-Indole-3-ethanamine, 5-methoxy- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Indole, 3-(2-aminoethyl)-5-methoxy- (6CI, 8CI)

OTHER NAMES:

CN 2-(5-Methoxyindol-3-yl)ethylamine

CN 3-(2-Aminoethyl)-5-methoxyindole

CN 5-Methoxytryptamine

CN 5MOT

CN Deacetylmelatonin

CN Methoxytryptamine

CN NSC 56422

CN [2-(5-Methoxy-1H-indol-3-yl)ethyl]amine

FS 3D CONCORD

MF C11 H14 N2 O

CI COM

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHM, DDFU, DRUGU, EMBASE, HODOC\*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK\*, NAPRALERT, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: EINECS\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);

CMBI (Combinatorial study); PREP (Preparation); PROC (Process); RACT

(Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological

study); PREP (Preparation); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological

study); CMBI (Combinatorial study); FORM (Formation, nonpreparative);

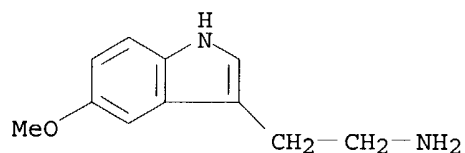
OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties);

RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological

study); FORM (Formation, nonpreparative); PREP (Preparation); PRP

(Properties); RACT (Reactant or reagent); USES (Uses)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1348 REFERENCES IN FILE CA (1907 TO DATE)

12 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

1348 REFERENCES IN FILE CAPLUS (1907 TO DATE)

58 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004138222	A1	20040715	US 2003-659238	20030910

10/009,559

Thomas McKenzie

REFERENCE 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004058259	A1	20040715	WO 2003-GB5656	20031224
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ			
	RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

REFERENCE 3

REFERENCE 4

REFERENCE 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004196683	A2	20040715	JP 2002-364790	20021217

REFERENCE 6

REFERENCE 7

REFERENCE 8

REFERENCE 9

REFERENCE 10

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---Logging off of STN---

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STN INTERNATIONAL LOGOFF AT 18:07:34 ON 23 AUG 2004

009,589  
10/22/95

Thomas McKenzie

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PASSWORD:

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NEWS	4 May 12	Polymer links for the POLYLINK command completed in REGISTRY
NEWS	5 May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in CPlus
NEWS	6 May 27	CPlus super roles and document types searchable in REGISTRY
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NEWS	12 AUG 02	CPlus and CA patent records enhanced with European and Japan Patent Office Classifications
NEWS	13 AUG 02	STN User Update to be held August 22 in conjunction with the 228th ACS National Meeting
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NEWS EXPRESS	JULY 30	CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
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DICTIONARY FILE UPDATES: 22 AUG 2004 HIGHEST RN 730937-52-7

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=> s (RN67333 OR RN (L) 67333/cn)

0 RN67333

2059 RN

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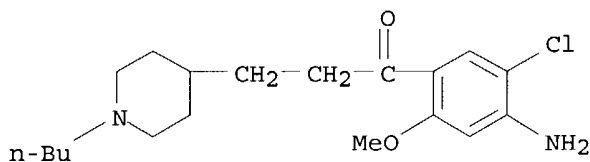
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L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

IN 1-Propanone, 1-(4-amino-5-chloro-2-methoxyphenyl)-3-(1-butyl-4-piperidinyl)- (9CI)

MF C19 H29 Cl N2 O2

CI COM



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

REFERENCE 1: 136:363866 Serotonergic compositions and methods for treatment of mild cognitive impairment. Wurtman, Richard J.; Lee, Robert K. K.

(Massachusetts Institute of Technology, USA). PCT Int. Appl. WO 2002038142 A2 20020516, 34 pp. DESIGNATED STATES: W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 2001-US43016 20011108. PRIORITY: US 2000-PV246615 20001108.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002038142	A2	20020516	WO 2001-US43016	20011108
	WO 2002038142	A3	20030814		
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	AU 2002030423	A5	20020521	AU 2002-30423	20011108
	US 2002173511	A1	20021121	US 2001-986469	20011108
	US 2002173549	A1	20021121	US 2001-986470	20011108

REFERENCE 2: 123:143641 Preparation of 1-(4-aminophenyl)- $\omega$ -amino-1-alkanones as 5-HT<sub>4</sub> receptor ligands. Clark, Robin D.; Eglen, Richard; Jahangir, Alam; Miller, Aaron B.; Gardner, John O. (Syntex (U.S.A.) Inc., USA). PCT Int. Appl. WO 9427965 A1 19941208, 72 pp. DESIGNATED STATES: W: AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KR, KZ, LK, LU, LV, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA, UZ, VN; RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GR, IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG. (English). CODEN: PIXXD2. APPLICATION: WO 1994-US5718 19940525. PRIORITY: US 1993-67766 19930526; US 1994-228602 19940426.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9427965	A1	19941208	WO 1994-US5718	19940525
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	CA 2163747	AA	19941208	CA 1994-2163747	19940525
	AU 9469548	A1	19941220	AU 1994-69548	19940525
	AU 680004	B2	19970717		
	BR 9406724	A	19960206	BR 1994-6724	19940525
	EP 700383	A1	19960313	EP 1994-918070	19940525
	EP 700383	B1	19980923		
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	CN 1124485	A	19960612	CN 1994-192219	19940525
	CN 1058262	B	20001108		
	JP 08510743	T2	19961112	JP 1994-500836	19940525
	HU 74870	A2	19970228	HU 1995-3357	19940525
	IL 109776	A1	19980310	IL 1994-109776	19940525
	AT 171446	E	19981015	AT 1994-918070	19940525
	ES 2121210	T3	19981116	ES 1994-918070	19940525

PL 180336	B1	20010131	PL 1994-311723	19940525
RU 2170228	C2	20010710	RU 1995-122587	19940525
CZ 289752	B6	20020313	CZ 1995-2780	19940525
US 5763458	A	19980609	US 1995-456168	19950531
FI 9505660	A	19951124	FI 1995-5660	19951124
NO 9504761	A	19960126	NO 1995-4761	19951124

REFERENCE 3: 122:160435 Synthesis and preliminary pharmacological evaluation of 2-benzyloxy-substituted aryl ketones as 5-HT<sub>4</sub> receptor antagonists. Clark, R. D.; Jahangir, A.; Langston, J. A.; Weinhardt, K. K.; Miller, A. B.; Leung, E.; Bonhaus, D. W.; Wong, E. H. F.; Eglen, R. M. (Inst. Org. Chem., Analytical Res. Pharmacology, Palo Alto, CA, 94304, USA). Bioorganic & Medicinal Chemistry Letters, 4(20), 2481-4 (English) 1994. CODEN: BMCLE8. ISSN: 0960-894X. Publisher: Elsevier.

REFERENCE 4: 122:122489 Ketones related to the benzoate 5-HT<sub>4</sub> receptor antagonist RS-23597 are high affinity partial agonists. Clark, R. D.; Jahangir, A.; Langston, J. A.; Weinhardt, K. K.; Miller, A. B.; Leung, E.; Eglen, R. M. (Inst. Org. Chem., Analytical Res. Pharmacology, Palo Alto, CA, 94304, USA). Bioorganic & Medicinal Chemistry Letters, 4(20), 2477-80 (English) 1994. CODEN: BMCLE8. ISSN: 0960-894X. Publisher: Elsevier.

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